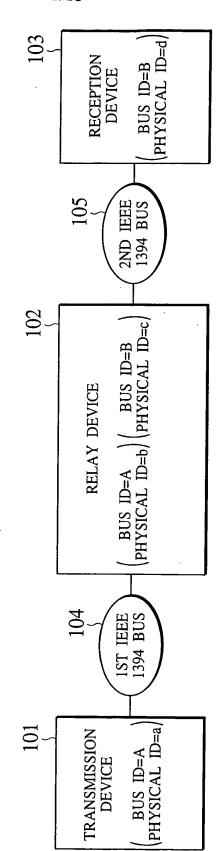
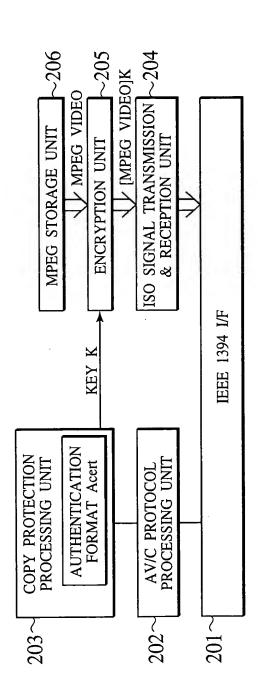


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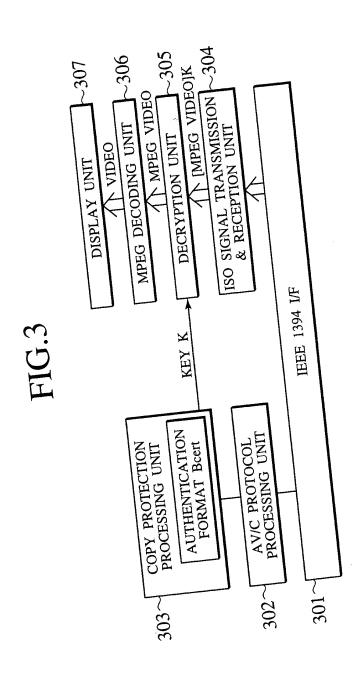


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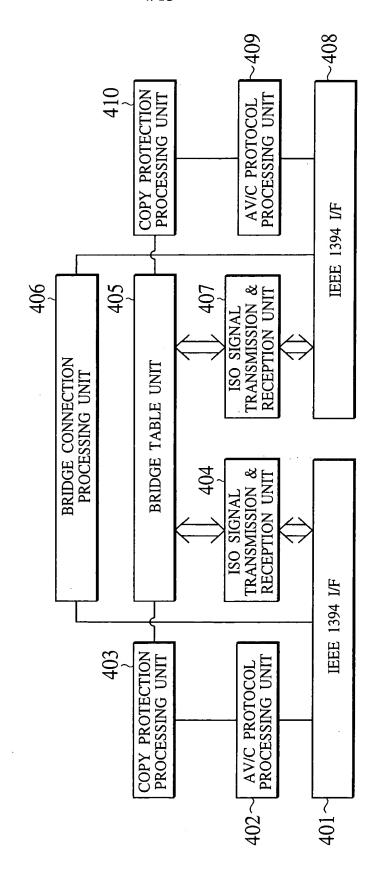




FIG.5A

1ST IEEE 1394 SIDE		2ND IEEE 1394 SIDE
#x	ISOCHRONOUS CHANNEL NUMBER	#y
TRANSMITTING SIDE	TRANSMISSION/ RECEPTION DIRECTION	RECEIVING SIDE
	SENDER	
	AUTHENTICATION TARGET	

FIG.5B

1ST IEEE 1394 SIDE		2ND IEEE 1394 SIDE
#x	ISOCHRONOUS CHANNEL NUMBER	#y
TRANSMITTING SIDE	TRANSMISSION/ RECEPTION DIRECTION	RECEIVING SIDE
(A,a)	SENDER	THIS DEVICE
	AUTHENTICATION TARGET	

FIG.5C

1ST IEEE 1394 SIDE		2ND IEEE 1394 SIDE
#x	ISOCHRONOUS CHANNEL NUMBER	#y j
TRANSMITTING SIDE	TRANSMISSION/ RECEPTION DIRECTION	RECEIVING SIDE
(A,a)	SENDER	THIS DEVICE
	AUTHENTICATION TARGET	(B,d),iPCR[0]

FIG.5D

1ST IEEE 1394 SIDE		2ND IEEE 1394 SIDE
#x	ISOCHRONOUS CHANNEL NUMBER	#y
TRANSMITTING SIDE	TRANSMISSION/ RECEPTION DIRECTION	RECEIVING SIDE
(A,a)	SENDER	THIS DEVICE
(A,a),oPCR[0]	AUTHENTICATION TARGET	(B,d),iPCR[0]

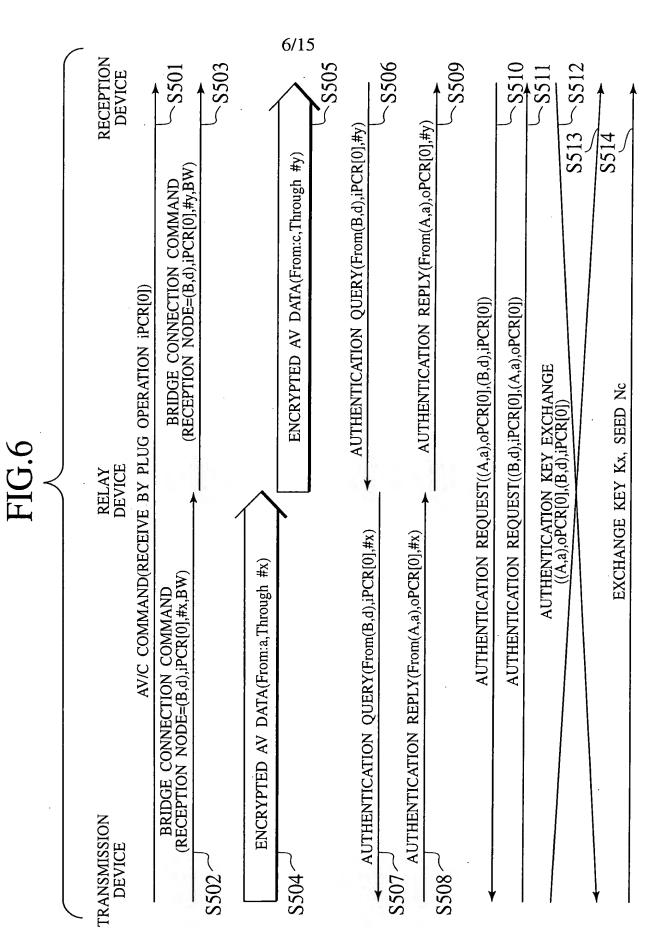


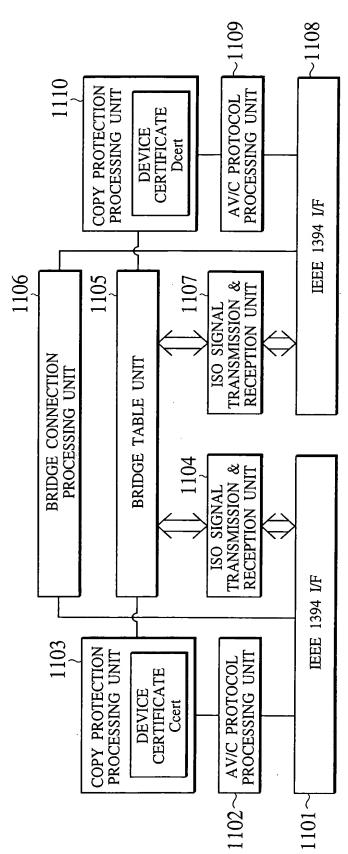
FIG.7

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RECEIVE BRIDGE CONNECTION COMMAND S502	~S701
	
CHECK RECEPTION NODE (B,d) & RESERVE ISOCHRONOUS CHANNEL #y OF BANDWIDTH BW ON 2ND IEEE 1394	S702
Y	_
REGISTER IN BRIDGE TABLE THAT TRANSMITTING SIDE IS #x OF 1ST IEEE 1394 & RECEIVING SIDE IS #y OF 2ND IEEE 1394	~S703
+	-1
TRANSMIT BRIDGE CONNECTION COMMAND S503]~S704
<u> </u>	
RECEIVE ENCRYPTED AV DATA FROM #x OF 1ST IEEE 1394 (S504) & REGISTER IN BRIDGE TABLE THAT TRANSMITTING SIDE IS (A,a)	~S705
→	4
FORWARD TO #y OF 2ND IEEE 1394 (S505) BY REFERRING TO BRIDGE TABLE	~S706
*	•
RECEIVE AUTHENTICATION QUERY (S506)	\~S707
<u> </u>	.
REFER TO #y IN AUTHENTICATION QUERY (S506), CHECK THAT IT IS CONNECTED TO #x OF 1ST IEEE 1394 & SENDER IS (A,a) BY REFERRING TO BRIDGE TABLE. REGISTER IN BRIDGE TABLE THAT AUTHENTICATION TARGET OF #y OF 2ND IEEE 1394 IS iPCR[0] OF (B,d).	~S708
<u> </u>	•
AUTHENTICATION QUERY TO (A,a) OF 1ST IEEE 1394. EXPLICITLY NOTE THAT IT IS FOR ISOCHRONOUS CHANNEL #x (S507).	~S709
Y	_
RECEIVE AUTHENTICATION REPLY (S508). REGISTER IN BRIDGE TABLE THAT AUTHENTICATION TARGET OF #x OF 1ST IEEE 1394 IS oPCR[0] OF (A,a).	~S710
	_
TRANSMIT AUTHENTICATION REPLY THAT IS REWRITTEN FOR ISOCHRONOUS CHANNEL NUMBER #y BY REFERRING TO BRIDGE TABLE, TO (B,d) (S509)	~S711
FORWARD AUTHENTICATION	~S712

& KEY EXCHANGE PACKET

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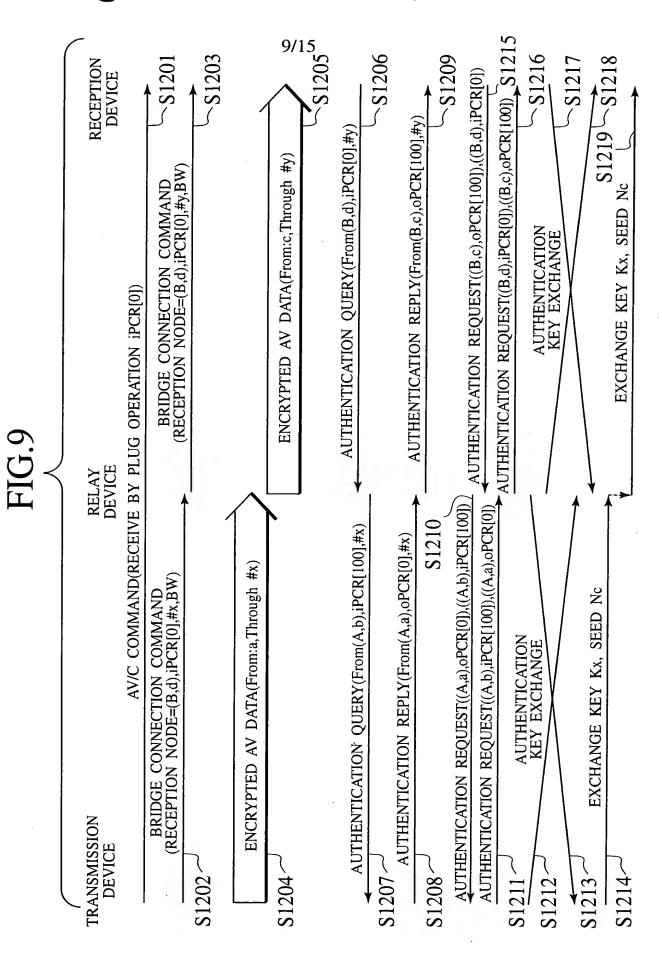


FIG.10A

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1ST IEEE 1394 SIDE		2ND IEEE 1394 SIDE
#x	ISOCHRONOUS CHANNEL NUMBER	#y
TRANSMITTING SIDE	TRANSMISSION/ RECEPTION DIRECTION	RECEIVING SIDE
	SENDER	
	VIRTUAL PLUG OF THIS DEVICE	
	AUTHENTICATION TARGET	

FIG.10B

1ST IEEE 1394 SIDE		2ND IEEE 1394 SIDE
#x	ISOCHRONOUS CHANNEL NUMBER	#y
TRANSMITTING SIDE	TRANSMISSION/ RECEPTION DIRECTION	RECEIVING SIDE
(A,a)	SENDER	THIS DEVICE
	VIRTUAL PLUG OF THIS DEVICE	
	AUTHENTICATION TARGET	

FIG.10C

1ST IEEE 1394 SIDE		2ND IEEE 1394 SIDE
#x	ISOCHRONOUS CHANNEL NUMBER	#y
TRANSMITTING SIDE	TRANSMISSION/ RECEPTION DIRECTION	RECEIVING SIDE
(A,a)	SENDER	THIS DEVICE
iPCR[100]	VIRTUAL PLUG OF THIS DEVICE	
	AUTHENTICATION TARGET	(B,d),iPCR[0]

FIG.10D

1ST IEEE 1394 SIDE		2ND IEEE 1394 SIDE
#x	ISOCHRONOUS CHANNEL NUMBER	#y
TRANSMITTING SIDE	TRANSMISSION/ RECEPTION DIRECTION	RECEIVING SIDE
(A,a)	SENDER	THIS DEVICE
iPCR[100]	VIRTUAL PLUG OF THIS DEVICE	oPCR[100]
(A,a),oPCR[0]	AUTHENTICATION TARGET	(B,d),iPCR[0]

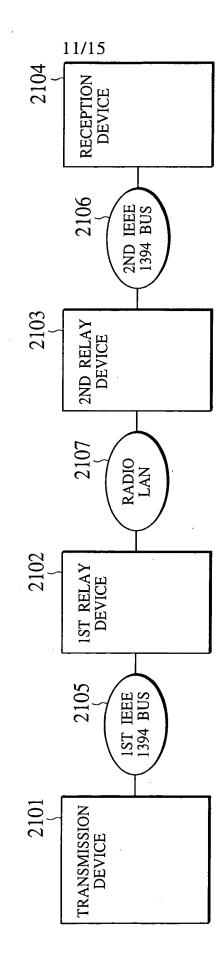
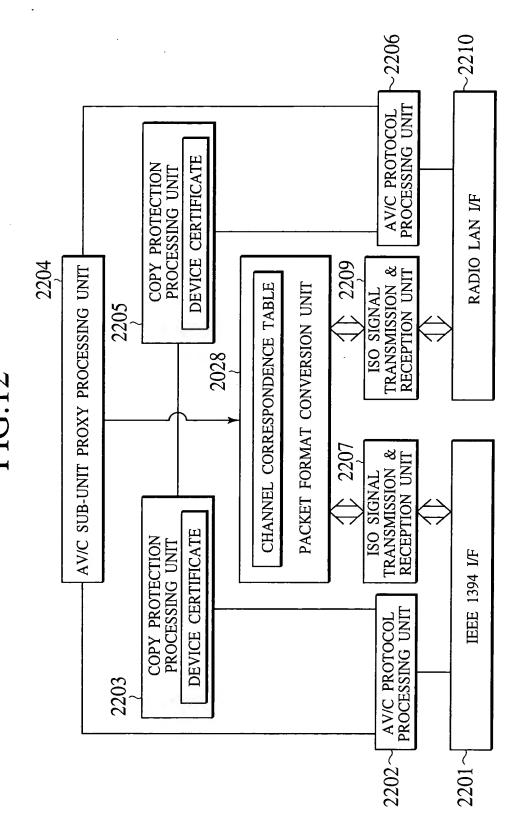


FIG. 11

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FIG.13

1ST IEEE 1394 SIDE		RADIO LAN SIDE
#x	ISOCHRONOUS CHANNEL NUMBER	#y
TRANSMITTING SIDE	TRANSMISSION/ DIRECTION DIRECTION	RECEIVING SIDE
TRANSMISSION DEVICE	SENDER	oPCR[0] OF THIS DEVICE
TRANSMISSION DEVICE	AUTHENTICATION TARGET	iPCR[0] OF 2ND RELAY DEVICE
THIS DEVICE	RECEIVER	iPCR[0] OF 2ND RELAY DEVICE

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FIG.14

RADIO LAN SIDE		2ND IEEE 1394 SIDE
#y	ISOCHRONOUS CHANNEL NUMBER	#z
TRANSMITTING SIDE	TRANSMISSION/ RECEPTION DIRECTION	RECEIVING SIDE
1ST RELAY DEVICE	SENDER	THIS DEVICE
oPCR[0] OF 1ST RELAY DEVICE	AUTHENTICATION TARGET	RECEPTION DEVICE
iPCR[0] OF THIS DEVICE	RECEIVER	RECEPTION DEVICE

FIG.15

